

REPORT FOR 1930

Compiled by the
Bureau of Accidents
The Public Service Commission
of the
Commonwealth of Pennsylvania
December 31st, 1930

DISTRIBUTION OF ACCIDENTS

NUMBER OF ACCIDENTS	CAUSE OF ACCIDENTS	EMPLOYEES		PASSENGERS		TRESPASSERS		OTHERS		TOTAL		PER CENT	
		Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
75	Collisions	5	61	14	...	22	5	97	1,13	2,95	...	...	...
918	Grade Crossings	8	40	102	1	132	475	475	29,80	14,45	...	...	...
36	Derailments	25	56	35	1	3	3	150	2,03	4,56	...	...	...
22	Parting of trains	1	56	24	1	4	4	21	1	114	2,23	3,37	3,47
115	At station or loading platforms	11	86	1	1	12	111	2,71	...	...	...	...	...
75	Defect or failure of roadway or equipment	2	307	1	1	2	2	307	4,45	9,34	...	...	...
309	Switching	6	44	5	3	3	3	10	52	2,26	1,58	...	...
58	Struck by overhead or side obstruction	187	187	1	5	187	187	187	187	5,69	5,69	...	...
187	Repairing track or roadbed	116	...	...	...	...	...	116	...	3,53	...	...	...
116	Handling freight or baggage	87	...	7	...	6	87	1,35	2,64	...	...	...	...
93	Coupling or Uncoupling	6	...	2	...	7	34	285	7,67	8,67	...	...	...
319	Falling from locomotive or car	25	211	55	12	2	7	19	338	4,29	10,28	...	...
357	Jumping on or off locomotive or car	4	246	2	34	13	58	7	7	208	46,95	4,68	...
362	Struck by locomotive or car	44	60	5	157	82	...	1	161	161	.23	4,90	...
162	Operating hand brakes	1	161	...	...	...	...	263	263	...	8,00	...	...
263	Minor injuries to locomotive crews	263	...	102	10	2	3	117	117	...	3,56	...	...
110	Sudden starting or stopping of trains	102	150	41	13	40	4	244	.90	7,42	...	...	...
244	Miscellaneous	4	...	...	...	...	...	...	...	...	...	...	...
3,821	Total	117	2,202	3	325	182	179	141	582	443	3,288	100,00	100,00
	Per cent of total killed	26.41	...	.68	...	41.08	...	31.83	100,00	...	...	...	...
	Per cent of total injured	66.97	...	9.88	...	5.45	...	17.70	100,00	...	...	...	...

COMPARISON OF YEARS 1929 AND 1930

Decrease of 1,636 accidents, or 29.98% or 25.42% or 29.70%

Decrease of 151 killed, or 29.70%

Decrease of 1,389 injured, or 29.70%

KILLED

	1929	1930	DIFFERENCE
Employees	169	117	52 Decrease
Passengers	5	3	2 Decrease
Trespassers	232	182	50 Decrease
Travelers over crossings	166	132	34 Decrease
Others	22	9	13 Decrease
Total	594	443	151 Decrease

INJURED

	1929	1930	DIFFERENCE
Employees	3500	2202	1298 Decrease
Passengers	251	325	74 Increase
Trespassers	170	179	9 Increase
Travelers over crossings	608	475	133 Decrease
Others	148	107	41 Decrease
Total	4677	3288	1389 Decrease

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ACCIDENTS ON STEAM RAILROADS IN PENNSYLVANIA

PROPERTY OF THE
PENNA. STATE LIBRARY

RECORD FOR 1931

Compiled by the
Bureau of Accidents
of
The Public Service Commission
of the
Commonwealth of Pennsylvania
December 31, 1931

DISTRIBUTION OF ACCIDENTS

NUMBER OF ACCIDENTS	CAUSE OF ACCIDENTS	EMPLOYEES		PASSENGERS		TRESPASSERS		OTHERS		TOTAL		PER CENT
		Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	
54	Collisions.....	7	55	68	2	1	5	130	1,94	5,94		
719	Grade crossing.....					91	364	364	21,96	16,65		
28	Derailment.....	14	26	72	1	3	14	102	3,38	4,67		
77	At station or loading platforms.....			21	3	31	2	77		3,52		
12	Parting of trains.....	15		1				17		7,8		
35	Defect or failure of roadway or equipment.....	1	33	1				35	.24	1,60		
206	Switching.....	206		1				206		9,41		
58	Struck by overhead or side obstruction.....	44		8	6	8	51	1,94	2,33			
47	Repairing track or roadbed.....	47					47			2,15		
46	Handling freight or baggage.....	46					46			2,10		
49	Coupling or Uncoupling.....	3	46				46	.73		2,10		
238	Falling from locomotive or car.....	27	136	39	11	22	3	38	9,18	9,14		
253	Jumping on or off locomotive or car.....	4	140	4	13	17	75	25	228	6,04	10,43	
334	Struck by locomotive or car.....	30	24	185	89	3	2	219	115	52,90	5,26	
99	Operating hand brakes.....	99							99		4,53	
147	Minor injuries to locomotive crews.....	147							147		6,72	
87	Sudden starting or stopping of trains.....	79	88	11	3	3	4	2	97	4,44		
177	Miscellaneous.....	4		30	10	52	7	180	1,69	8,23		
2,666	TOTAL.....	90	1253	5	256	224	211	95	467	414	2187	100.00
	Per cent of total killed.....	21.74		1.21		54.10		22.95		100.00		
	Per cent of total injured.....											
				57.30		11.71		9.64		21.35		

COMPARISON OF YEARS 1930 AND 1931

Decrease of 1,155 accidents,
or 30.23%
Decrease of 29 killed,
or 6.55%
Decrease of 1,101 injured,
or 33.49%

KILLED

	1930	1931	DIFFERENCE

INJURED

	1930	1931	DIFFERENCE

Employees.....	117	90	27	Decrease.....	23,08%
Passengers.....	3	5	2	Increase.....	66,66%
Trespassers.....	182	224	42	Increase.....	23,08%
Travelers over crossings.....	132	91	41	Decrease.....	31,06%
Others.....	9	4	5	Decrease.....	55,55%

Total..... 443 414 29 Decrease..... 6.55%

738.39
5.6

1931

ACCIDENTS ON STEAM RAILROADS IN PENNSYLVANIA

Compiled by
The Investigator of Accidents

REPORT FOR 1932
PENNSYLVANIA STATE LIBRARY Commonwealth of Pennsylvania
December 31, 1932

DISTRIBUTION OF ACCIDENTS

NUMBER OF ACCIDENTS	CAUSE OF ACCIDENTS	EMPLOYEES		PASSENGERS		TRESPASSERS		OTHERS		TOTAL		PER CENT	
		Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
48	Collisions	3	40	.....	3	.....	.....	9	3	52	.82	3.00	
556	Grade crossing	2	27	.....	5	.....	.....	70	330	19.13	19.03		
26	Derailements	4	.....	.....	1	1	.....	6	1	2	.54	2.25	
3	Parting of trains	28	.....	.....	26	.....	.....	4	1	9	.27	.52	
80	At station or loading platforms . . . . .	.....	.....	.....	1	1	.....	26	.....	80	.....	4.61	
36	Defect or failure of roadway or equipment	3	34	.....	.....	1	.....	1	3	36	.82	2.07	
138	Switching	1	137	.....	1	7	12	12	19	137	.27	7.90	
59	Struck by overhead or side obstruction	12	27	.....	1	7	12	12	19	40	5.19	2.30	
30	Repairing track or roadbed	30	.....	.....	.....	.....	.....	30	.....	30	.....	1.73	
25	Handling freight or baggage	25	.....	.....	.....	.....	.....	25	.....	25	.....	1.44	
32	Coupling or uncoupling	1	31	.....	.....	.....	.....	1	31	27	1.84		
236	Falling from locomotive or car	15	123	.....	37	23	34	4	38	198	10.39	11.41	
270	Jumping on or off locomotive or car	113	.....	22	34	100	107	1	34	236	9.29	13.61	
281	Struck by locomotive or car	30	.....	.....	166	57	4	4	190	91	51.92	5.24	
88	Operating hand brakes	1	87	.....	1	4	4	4	1	87	.27	5.01	
120	Minor injuries to locomotive crews	120	.....	.....	57	8	2	2	120	71	6.92		
64	Sudden starting or stopping of trains	2	58	.....	22	1	14	28	3	122	.82	4.09	
119	Miscellaneous . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7.03	
2,211	TOTAL	60	971	.....	124	232	227	74	412	366	1,734	100.00	100.00
	Per cent of total killed	16.39	.....	.....	63.39	.....	20.22	.....	100.00	.....	.....	.....	.....
	Per cent of total injured . . . . .	.....	56.00	.....	7.15	.....	13.09	.....	23.76	.....	100.00	.....	.....

COMPARISON OF YEARS 1931 AND 1932

Decrease of 455 accidents, or 17.07%
Decrease of 48 killed, or 11.59%
Decrease of 453 injured, or 20.71%

KILLED

1931 1932 DIFFERENCE

1931 1932 DIFFERENCE

INJURED

1931 1932 DIFFERENCE

Employees	90	60	30	Decrease	33.33%
Passengers	5	5	5	Decrease	100.00%
Trespassers	224	232	8	Increase	3.57%
Travelers over crossings	91	70	21	Decrease	23.08%
Others	4	4	None		

Total 414 366 48 Decrease . . . 11.59%

Total 2187 1734 453 Decrease . . . 20.71%

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1932

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ACCIDENTS ON STEAM RAILROADS IN PENNSYLVANIA

REPORT FOR 1933

Compiled by
The Investigator of Accidents
of the
The Public Service Commission
Commonwealth of Pennsylvania
December 31, 1933

DISTRIBUTION OF ACCIDENTS

NUMBER OF ACCIDENTS	CAUSE OF ACCIDENTS	EMPLOYES		PASSENGERS		TRESPASSERS		OTHERS		TOTAL		PER CENT	
		Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
31	Collisions	3	22	...	...	1	19	41	1,03	2,43			
528	Grade crossing	5	32	...	39	9	11	74	74	295	19,02	17,47	
30	Derailments	10	...	...	...	1	1	3	15	85	3,85	5,04	
11	Parting of trains	22	...	...	31	1	2	22	5	11	...	4,65	
78	At station or loading platforms	1	31	...	1	1	2	2	39	...	4,62		
37	Defect or failure of roadway or equipment	1	157	...	1	10	28	1	1	157	2,26	2,31	
158	Switching	1	25	...	1	10	28	11	11	2,83	9,30		
65	Struck by overhead or side obstruction	32	...	...	...	...	...	32	32	54	2,83	3,14	
32	Repairing track or roadbed	32	...	...	...	...	...	26	26	...	1,54		
26	Handling freight or baggage	26	...	...	...	...	...	26	26	...	1,54		
29	Coupling or uncoupling	3	110	...	38	21	36	3	3	40	10,28	10,90	
224	Falling from locomotive or car	19	76	2	7	33	107	2	4	194	10,03	11,25	
229	Jumping on or off locomotive or car	4	23	...	175	65	4	194	1	82	49,87	5,45	
286	Struck by locomotive or car	17	82	...	...	...	...	103	103	...	26	4,86	
83	Operating hand brakes	1	103	...	...	1	4	46	46	...	6,10		
103	Minor injuries to locomotive crews	30	30	9	1	4	3	148	148	1,03	2,73		
44	Sudden starting or stopping of trains	3	64	29	19	1	36	4	4	8,77	8,77		
145	Miscellaneous	3	...	...	...	...	...	...	...	...	...	...
2,139	TOTAL	58	871	2	155	250	276	79	387	389	1,689	100,00	100,00
	Per cent of total killed	14.91	...	.51	...	64.27	...	20.31	...	100.00	...	...	...
	Per cent of total injured	51.57	...	9.18	...	16.34	...	22.91	...	100.00	...	...	...

COMPARISON OF YEARS 1932 AND 1933

Decrease of 72 accidents, or 3.26% or 6.28% or 2.59%
Increase of 23 killed, or 6.28% or 2.59%
Decrease of 45 injured,

KILLED

INJURED

	1932	1933	DIFFERENCE		1932	1933	DIFFERENCE
Employees	60	58	Decrease... 3.33%	Employees	971	871	100 Decrease... 10,30%
Passengers	2	2	2 Increase... 0%	Passengers	124	155	31 Increase... 25,00%
Trespassers	232	250	18 Increase... 7.76%	Trespassers	227	276	49 Increase... 21,15%
Travelers over crossings	70	74	4 Increase... 5.71%	Travelers over crossings	330	295	35 Decrease... 10,61%
Others	4	5	1 Increase... 25.00%	Others	82	92	10 Increase... 12,19%
Total	366	389	23 Increase... 6.28%	Total	1734	1689	45 Decrease... 2.59%

Note:—In addition to the 2,139 accidents, there were 130 Collisions, 339 Derailments, 22 Parting of Trains, 105 Defects and Failures, and 7 Emergency Applications of Brakes, all without any casualties being involved, entailing a property damage loss of \$543,243.23.

ACCIDENTS ON STEAM RAILROADS IN PENNSYLVANIA

REPORT FOR 1934

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of the
Engineering Bureau of the
Public Service Commission
of the
Commonwealth of Pennsylvania
December 31, 1934

DISTRIBUTION OF ACCIDENTS

NUMBER OF ACCIDENTS	CAUSE OF ACCIDENTS	EMPLOYEES		PASSENGERS		TRESPASSERS		OTHERS		TOTAL		PER CENT	
		Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
35	Collisions.	6	27	...	...	...	...	17	6	44	1.47	2.44	
640	Grade crossing.	...	...	9	48	...	...	90	389	384	22.01	21.30	
26	Derailments.	12	30	15	...	...	...	15	21	93	5.14	5.16	
12	Parting of trains.	1	15	15	34	...	...	1	1	15	.24	.24	
85	At station or loading platforms.	...	...	39	5	...	...	1	34	84	4.66	4.66	
38	Defect or failure of roadway or equipment.	...	...	172	...	...	...	1	1	45	2.50	2.50	
172	Switching.	5	20	...	4	7	...	...	...	172	9.54	9.54	
36	Struck by overhead or side obstruction.	...	...	...	...	...	...	...	9	27	2.20	1.50	
53	Repairing track or roadbed.	...	...	53	...	...	...	...	53	...	2.94	2.94	
27	Handling freight or baggage.	...	...	27	...	...	...	...	27	...	1.50	1.50	
29	Coupling or uncoupling.	3	26	...	...	...	...	...	3	26	.73	1.44	
226	Falling from locomotive or car.	21	117	1	38	21	26	2	2	43	10.51	10.15	
194	Jumping on or off locomotive or car.	...	72	...	13	24	82	3	3	183	5.87	9.43	
298	Struck by locomotive or car.	18	22	...	186	68	2	2	2	206	50.37	5.10	
86	Operating hand brakes.	1	85	...	...	...	...	...	1	85	.24	4.71	
85	Minor injuries to locomotive crews.	...	85	...	...	...	...	...	85	...	4.71	4.71	
78	Sudden starting or stopping of trains.	...	52	...	23	2	2	3	3	80	4.44	4.44	
136	Miscellaneous.	1	62	...	20	2	25	1	31	138	.98	7.65	
2,256	TOTAL.	68	919	10	181	237	211	94	492	409	1,803	100.00	100.00
	Per cent of total killed.	16.63	...	2.44	...	57.95	...	22.98	...	100.00	...	...	...
	Per cent of total injured.	50.97	...	10.04	...	11.70	...	27.29	...	100.00	...	...	...

KILLED

INJURED

COMPARISON OF YEARS 1933 AND 1934		
Increase of 117 accidents, or 5.47% or 5.14% or 6.75%	1933	1934
Increase of 114 injured,		

Note:—In addition to the 2,256, there were 140 collisions (19 of this number being on the main line), 343 Derailments, 17 Parting of Trains, 145 Defects and Failures, and 11 Emergency Applications of Brakes, all without any casualties being involved, but damages in each accident amounting to over \$250.00, entailing a property damage loss in excess of \$650.00.

KILLED		
	1933	1934
		DIFFERENCE
Employes.	58	68
Passengers.	2	10
Trespassers.	250	237
Travelers over crossings	74	90
Others.	5	4
Total.	389	409

Note:—In addition to the 2,256, there were 140 collisions (19 of this number being on the main line), 343 Derailments, 17 Parting of Trains, 145 Defects and Failures, and 11 Emergency Applications of Brakes, all without any casualties being involved, but damages in each accident amounting to over \$250.00, entailing a property damage loss in excess of \$650.00.

INJURED		
	1933	1934
		DIFFERENCE
Employes.	10	17.24%
Passengers.	8	Increase... 400.00%
Trespassers.	13	Decrease... 5.20%
Travelers over crossings	16	Increase... 21.62%
Others.	1	Decrease... 20.00%
Total.	1689	1803

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December 31, 1934

ACCIDENTS ON STEAM RAILROADS IN PENNSYLVANIA

PROPERTY OF THE
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REPORT FOR 1935

Compiled by
The Investigator of Accidents
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Engineering Bureau of the
Public Service Commission
of the
Commonwealth of Pennsylvania
December 31, 1935.

DISTRIBUTION OF ACCIDENTS

NUMBER OF ACCIDENTS	CAUSE OF ACCIDENTS	EMPLOYEES		PASSENGERS		TRESPASSERS		OTHERS		TOTAL		PER CENT KILLED	PER CENT INJURED
		KILLED	INJURED	KILLED	INJURED	KILLED	INJURED	KILLED	INJURED	KILLED	INJURED		
49	Collisions.....	1	49	1	1	1	69	2	56	17	51	3.42	
674	Grade crossing.....	1	27	2	3	1	319	69	319	47	47	19.49	
23	Derailments.....	1	7	1	1	1	1	32	7	25	1.96		
5	Parting of Trains.....	1	17	1	30	1	80	1	80	25	43	4.89	
81	At station or loading platforms.....	2	38	2	2	1	41	2	41	51	51	2.51	
34	Defect or failure of roadway or equipment.....	2	173	1	1	1	1	2	174	51	51	10.63	
176	Switching.....	2	15	8	5	1	13	20	3.29	1.23	1.23		
33	Struck by overhead or side obstruction.....	5	15	5	5	1	29	42	25	2.57	2.57		
42	Repairing track or roadbed.....	42	42	1	29	1	1	1	1	1	1	1.77	
30	Handling freight or baggage.....	1	1	1	1	1	1	29	27	6.83	6.83	2.51	
44	Coupling or uncoupling.....	3	41	14	18	10	12	12	1	3	182	5.32	
209	Falling from locomotive or car.....	14	18	38	38	10	19	217	71	1	21	137	
158	Jumping on or off locomotive or car.....	2	64	2	60	1	1	1	1	1	1	62.53	
336	Struck by locomotive or car.....	29	17	17	21	1	1	247	247	2	77	5.44	
79	Operating hand brakes.....	2	77	77	77	1	1	67	67	1	51	4.71	
67	Minor injuries to locomotive crews.....	67	67	67	67	1	1	67	67	1	410	4.52	
67	Sudden starting or stopping of trains.....	2	65	7	7	2	2	2	74	170	1.01	10.33	
170	Miscellaneous.....	77	77	32	2	25	36	4	170	1.01	1.01	10.33	
2,277	Total.....	64	923	1	122	258	191	72	401	395	1,637	100.00	100.00
	Per cent of total killed.....	16.20	.....	.25	.....	65.32	.....	18.23	.....	100.00	.....	.....	.....
	Per cent of total injured.....	.....	56.38	.....	7.45	.....	11.67	.....	24.50	.....	100.00	.....	.....

KILLED

INJURED

COMPARISON OF YEARS 1934 AND 1935		
Increase of 21 accidents, Decrease of 14 killed, Decrease of 171 injured.	1934	1935
or .93% or 3.42% or 9.46%		

In addition to the CASUALTY ACCIDENTS listed above, there were 165 collisions, (18 of this number being on the main line) 419 Derailments, 14 Parting of trains; 129 Defects and Failures; 13 Emergency applications of brakes; all without any casualties being involved, but damage in each accident amounting to over \$250,00, entailing a loss in excess of nearly \$800,000.

KILLED		
INJURED		
	1934	1935
		DIFFERENCE
Employees.....	4	Decrease. 5.73 %
Passengers.....	68	64
Trespassers.....	9	Decrease. 90.00 %
Travelers over crossings.....	21	Increase. 8.86 %
Others.....	90	Decrease. 23.33 %
Total.....	409	Decrease. 25.00 %
	14	Decrease. 3.42 %
Total.....	1808	1637
	171	Decrease. 9.46 %

